

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

**Installation Procedures (IP)
for the
METCAST Client Segment (METCAST)
Release 1.4 Series
Revision A**

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1 SCOPE

1.1 Identification

These Installation Procedures (IP) describe the installation of the METCAST Client Segment of the METCAST data distribution software, Release 1.4 Series, developed by Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA. This software is designed to run under the Defense Information Infrastructure (DII) Common Operating Environment (COE), release 3.1 or higher. The software runs under the following hardware and operating systems:

- Personal Computer (PC) running the Microsoft Windows NT 4.0 operating system with Service Pack 3 or higher, Windows 2000, or Windows 98.
- Tactical Advanced Computer, TAC-3 (HP 750/755) or TAC-4 (HP J210) or higher running the HP-UX operating system, release 10.20 or higher.
- Sun SPARC computer running the Sun Solaris operating system, release 2.6 or higher.

This document covers the Windows and Solaris versions. The HP-UX version is covered in the IP for the MCCLNT segment, referenced in Section 2 of this document.

This document has been developed in accordance with the *DII COE Developer Documentation Requirements, Version 2.0*.

1.2 System Overview

METCAST is a standards-based, request-reply and subscription (channel) system for distributing weather information over the Internet using Hyper-Text Transfer Protocol (HTTP) and Multipurpose Internet Mail Extensions (MIME). The METCAST Client Segment includes a graphical user interface (GUI) to allow the user to select the products to be retrieved and the frequency and types of retrievals, and a retriever process that establishes communication with a METCAST server, submits a request for the data requested, and delivers the reply to the local user. The METCAST Server comprises three separate segments.

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2 REFERENCED DOCUMENTS

2.1 Government Documents

DDR-2 23 January 1998	<i>Defense Information Infrastructure (DII) Common Operating Environment (COE) Developer Documentation Requirements, Version 2.0</i> , Defense Information Systems Agency, Joint Operability and Engineering Organization
Unnumbered 18 June 1998	<i>Software Requirements Specification for METCAST</i> , Space and Naval Warfare Systems Command, Environmental Systems Program Office (SPAWAR PMW-185), San Diego, CA
fnmoc_METCAST_SVD_1401 16 November 2000	<i>Software Version Description (SVD) for the METCAST Client Segment, release 1.4.0.1</i>
fnmoc_METCAST_UM_14Series_RevA 16 November 2000	<i>User Manual (UM) for the METCAST Client Segment, release 1.4 Series, Revision A</i>
fnmoc_JMV_IP_14Series_RevA 16 November 2000	<i>Installation Procedures (IP) for the Joint METOC Viewer (JMV) Segment, release 1.4 Series, Revision A</i>

2.2 Non-Government Documents

None.

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3 SYSTEM ENVIRONMENT

3.1 System Requirements

3.1.1 Hardware Requirements

The METCAST Client segment is hosted on an IBM-Compatible Personal Computer (PC) running Windows 2000, Windows NT 4.0 with Service Pack 3 or higher, or Windows 98, or a Sun Workstation running Solaris 2.6 or higher.

The following configuration is recommended:

- RAM: 96 MB minimum, 128 MB optimum
Disk Space: 2 GB

3.1.2 Operating System Requirements

Microsoft Windows NT 4.0 with Service Pack 3, Windows 2000, or Windows 98 or Sun Solaris 2.6 or higher.

3.1.3 Kernel Requirements

Not applicable.

3.2 System and Site Preparations

3.2.1 System Configuration

The appropriate operating system (as described above) must be properly installed prior to loading the METCAST Client segment.

In order to operate properly, METCAST Client requires access to an installed METCAST Server. The server need not be on the same machine as the Client, but must be accessible via the network. METCAST Client is supplied with a configuration that points it to servers at FNMOC. See the *METCAST Server Installation Procedures* documentation referenced in Section 2.1 for details concerning installation of METCAST Server.

In order for the data display functions to work properly, the JMV 3.4 segment must be installed on the same machine as METCAST Client. JMV 3.4 should be installed after METCAST Client. See the *Installation Procedures for the JMV 3.4 Segment* listed in Section 2.1 for details concerning installation of JMV 3.4.

3.2.2 Operating System Preparation

Information needed to prepare the operating system is found in the internal documentation for Windows NT 4.0 with Service Pack 3, Windows 2000, or Windows 98.

3.2.3 Tape/Disk Preparation

The METCAST Client segment software is delivered on a CD-ROM for the PC hardware environment. It is also available on the World Wide Web at <http://www.fnmoc.navy.mil> under the Software and Manuals link (password required).

4 INSTALLATION INSTRUCTIONS

The following procedures describe the installation of the METCAST Client Segment software on the various target platforms.

4.1 Installation on PC (Windows NT 4.0, 2000, 98) Systems

4.1.1 CD-ROM Booting Procedure for Windows Systems

1. Insert the CD-ROM containing the METCAST Client software into the CD-ROM drive. If autorun is turned on for the CD-ROM, the disk will spin and the METCAST Client/JMV setup program will start automatically. Otherwise:
2. Click on the **Start** button at the lower left side of the screen.
3. Click on **Settings**.
4. Click on **Control Panel**.
5. Click on **Add/Remove Programs**.
6. Ensure the **Install/Uninstall** tab is selected and click on the **Install** button.
7. Click on the **Next** button.
8. The Command Line box in the next dialog should show D:\SETUP.EXE (assuming D is the letter assigned to the CD-ROM drive). If it does, click the **Finish** button to commence installation. When the setup program executes, the METCAST Client/JMV/Total Weather installation screen shown below will appear.

4.1.3 Installation on Windows Systems

1. Upon execution of the setup file, a Welcome window will appear to start the installation process. Click on the **Next** button.
2. A window will appear showing you your current proxy settings. These are automatically read from your Internet Explorer or Netscape settings. It is recommended that you accept the settings shown by clicking the **Next** button.
3. A Choose Destination Location window will appear. It is recommended that you click on the **Next** button to accept the default settings. A progress dialog will appear to show you the progress of the installation.
4. At the final METCAST Client Installation Completed window, you can either click on the **Finish** button to finish the installation and view the README file, or click on **View README File Now** checkbox to deselect it and then click the **Finish** button if you don't want view the README file right away. You can also click on the **Launch METCAST Client Now** and click on the **Finish** button if you want to start METCAST Client right away. This completes the installation.
5. Click on the **Exit** button in the METCAST/JMV/Total Weather installation window to close it.

4.2 Installation on Sun Solaris Systems

The following procedure is used to install both METCAST Client 1.4 and JMV 3.4 on Sun Solaris systems.

4.2.1 Remove Old Installations

It is highly recommended that old installations of JMV and METCAST Client be removed before installing the new versions. The procedure is as follows:

1. Navigate to the jmvwin directory in which JMV and/or METCAST Client were previously installed.
2. There are now two choices:
 - a. To completely delete the previous installation, move up one directory level, then type `rm -rf jmvwin <Enter>` to remove the entire directory, including the area files.
 - b. If you wish to keep your current area definition and data files, and your current setup information, delete all but the following files and directories:

Area directories (these are named with a short version of the area name, e.g. NORTHAME for an area named North America), and contain the area definitions and any data already downloaded for the area.

Under the noddsls subdirectory, you may wish to keep the following files: metcast.con, .rsettings, mailcap, and names.lst, and the entire colorfls subdirectory.

4.2.2 Install METCAST Client and JMV From CD or Web

METCAST Client and JMV for Solaris are available both on CD-ROM or as web downloads. In either case, the installation procedure is basically the same.

CD-ROM install preliminary steps:

1. Insert the CD-ROM in the reader and open it.
2. Double-click on the install.bin program to start the installation.

Web install preliminary steps:

1. Download the install.bin package.
2. Enter the following command: `chmod u+x install.bin`. This extends execution permission to the program.
3. Enter the command `./install.bin` to start the installation.

Once the installation has been started, the initial installation screen will appear. Ignore the language button and click on the **OK** button to proceed with the installation. The METCAST-JMV install screen is then displayed. Click on the **Next** button to proceed. Choose the directory in which to install JMV and METCAST (press the **Enter** key to accept the default, or click the **Choose** button to see a directory tree from which you can choose a directory). Click the **Next** button to proceed. A message should then appear to tell you that the installation is complete; click the **Done** button to exit the installation program.

4.3 Installation of Upgrades

Installation of upgrades will generally follow the same procedures listed above.

4.4 Installation Verification

The Add/Remove Programs item under the Control Panel in Windows 2000, Windows NT, and Windows 98 can be used to verify the presence of the software in the directories to which it was installed.

4.5 Initializing the Software

No initialization is specifically required. The graphical user interface (GUI) of the METCAST Requester program allows the user to set the addresses of the data servers to be used (defaults are supplied with the installation) and colors for the display, and to select areas for which data are to be retrieved, schedule retrievals, etc. See the *METCAST Client User Manual* referenced in Section 2.1 for details.

4.6 List of Changes and Enhancements

This section is tailored out. A list of changes and enhancements in this release is contained in Appendix B of the *Software Version Description* cited in Section 2.1.

4.7 Important Considerations

This section is tailored out.

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5 NOTES

5.1 Glossary of Acronyms

COE	Common Operating Environment
DII	Defense Information Infrastructure
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
GUI	Graphical User Interface
HTTP	Hyper-Text Transfer Protocol
IP	Installation Procedure
IP	Internet Protocol
METCAST	METOC Broadcast
METOC	Meteorological and Oceanographic
MIME	Multipurpose Internet Mail Extensions
PC	Personal Computer
SRS	Software Requirements Specification
SVD	Software Version Description
T&E	Test and Evaluation
TCP	Transport Control Protocol
UM	User Manual

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